

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1 1. (previously presented) A method for providing stream linking in audio/video
2 disk media, comprising:
3 when additional reading or writing locations in streams are desired in which each
4 stream of locations is a range of addresses on disk media for storing Audio/Video Data in
5 a contiguous area, sending a linked stream request with a number of a primary stream;
6 initiating a linked stream that is linked to the primary stream;
7 setting a pointer for the linked stream to the same location as a pointer for the
8 primary stream; and
9 during operation, processing the pointers for both the linked stream and the
10 primary stream.

1 2. (original) The method of claim 1 wherein the setting of a pointer for the
2 linked stream to the same location as a pointer for the primary stream further comprises
3 setting a read audio/video pointer for the linked stream to the same location as the read
4 audio/video pointer of the primary stream.

1 3. (original) The method of claim 1 wherein the linked stream inherits a
2 beginning and ending address from the primary stream.

1 4. (original) The method of claim 1 wherein the linked stream and the primary
2 stream each include a read audio/video pointer and a write audio/video pointer.

1 5. (original) The method of claim 4 wherein a passed pointer warning is set
2 when the linked stream read AV pointer passes the primary stream write AV pointer.

1 6. (original) The method of claim 1 wherein a stream may not be linked to a
2 linked stream.

1 7. (original) The method of claim 1 wherein the linked stream is disabled when
2 the primary stream is disabled.

1 8. (original) The method of claim 1 wherein the linked stream and the primary
2 stream may be read and written to simultaneously.

1 9. (previously presented) The method of claim 8 wherein the linked stream and
2 the primary stream each include a read audio/video pointer and a write audio/video
3 pointer.

1 10. (original) The method of claim 9 wherein the read audio/video pointer
2 points to the next sector to read from and the write audio/video pointer points to the next
3 sector to write to.

1 11. (original) The method of claim 1 further including moving the pointers with
2 a command.

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2 12-44. (cancelled).

1 45. (new) A remote multimedia server, comprising:
2 a mass storage library for storing a plurality of multimedia programs each
3 segmented into at least one audio/video stream;
4 transmission means for transmitting the at least one audio/video stream to a
5 communication channel; and a local media control system, comprising:
6 a direct access storage device including at least one data storage disk; and a
7 controller for processing the coordinating writing of the at least one audio/video stream
8 received from the communication channel to the data storage disk, and for coordinating
9 reading of the at least one audio/video stream from the data storage disk, the controller
10 providing stream linking in audio/video disk media by sending a linked stream request
11 with a number of a primary stream when additional reading or writing locations in

streams are desired in which each stream of locations is a range of addresses on disk media for storing Audio/Video Data in a contiguous area, initiating a linked stream that is linked to the primary stream, setting a pointer for the linked stream to the same location as a pointer for the primary stream, and, during operation, processing the pointers for both the linked stream and the primary stream.

46. (new) The remote multimedia server of claim 45 wherein the setting of a pointer for the linked stream to the same location as a pointer for the primary stream further comprises setting a read audio/video pointer for the linked stream to the same location as the read audio/video pointer of the primary stream.

47. (new) The remote multimedia server of claim 45 wherein the linked stream inherits a beginning and ending address from the primary stream.

48. (new) The remote multimedia server of claim 45 wherein the linked stream and the primary stream each include a read audio/video pointer and a write audio/video pointer.

49. (new) The remote multimedia server of claim 48 wherein a passed pointer warning is set when the linked stream read AV pointer passes the primary stream write AV pointer.

50. (new) The remote multimedia server of claim 45 wherein a stream may not be linked to a linked stream.

51. (new) The remote multimedia server of claim 45 wherein the linked stream is disabled when the primary stream is disabled.

52. (new) The remote multimedia server of claim 45 wherein the linked stream and the primary stream may be read and written to simultaneously.

53. (new) The remote multimedia server of claim 52 wherein the linked stream and the primary stream each include a read audio/video pointer and a write audio/video painter.

54. (new) The remote multimedia server of claim 53 wherein the read audio/video pointer points to the next sector to read from and the write audio/video pointer points to the next sector to write to.

55. (new) The remote multimedia server of claim 45 further including moving the pointers with a command.

56. (new) A direct access storage device, comprising: at least one data storage disk; and a controller for processing the coordinating writing of the at least one audio/video stream received from the communication channel to the data storage disk, and for coordinating reading of the at least one audio/video stream from the data storage disk, the controller further providing stream linking in audio/video disk media by sending a linked stream request with a number of a primary stream when additional reading or writing locations in streams are desired in which each stream of locations is a range of addresses on disk media for storing Audio/Video Data in a contiguous area, initiating a linked stream that is linked to the primary stream, setting a pointer for the linked stream to the same location as a pointer for the primary stream, and, during operation, processing the pointers for both the linked stream and the primary stream.

57. (new) The direct access storage device of claim 56 wherein the setting of a pointer for the linked stream to the same location as a pointer for the primary stream further comprises setting a read audio/video pointer for the linked stream to the same location as the read audio/video pointer of the primary stream.

58. (new) The direct access storage device of claim 56 wherein the linked stream inherits a beginning and ending address from the primary stream.

1 59. (new) The direct access storage device of claim 56 wherein the linked
2 stream and the primary stream each include a read audio/video pointer and a write
3 audio/video pointer.

1 60. (new) The direct access storage device of claim 59 wherein a passed pointer
2 warning is set when the linked stream read AV pointer passes the primary stream write
3 AV pointer.

1 61. (new) The direct access storage device of claim 56 wherein a stream may
2 not be linked to a linked stream.

1 62. (new) The direct access storage device of claim 56 wherein the linked
2 stream is disabled when the primary stream is disabled.

1 63. (new) The direct access storage device of claim 56 wherein the linked
2 stream and the primary stream may be read and written to simultaneously.

1 64. (new) The direct access storage device of claim 63 wherein the linked
2 stream and the primary stream each include a read audio/video pointer and a write
3 audio/video pointer.

1 65. (new) The direct access storage device of claim 64 wherein the read
2 audio/video pointer points to the next sector to read from and the write audio/video
3 pointer points to the next sector to write to.

1 66. (new) The direct access storage device of claim 56 further including
2 moving the pointers with a command.

1 67. (new) An article of manufacture comprising a program storage medium
2 readable by a computer, the medium tangibly embodying one or more programs of

instructions executable by the computer to perform a method for providing stream linking
in audio/video disk media, the method comprising:

when additional reading or writing locations in streams are desired in which each
stream of locations is a range of addresses on disk media for storing Audio/Video Data in
a contiguous area, sending a linked stream request with a number of a primary stream;

initiating a linked stream that is linked to the primary stream;

setting a pointer for the linked stream to the same location as a pointer for the
primary stream; and

during operation, processing the pointers for both the linked stream and the
primary stream.

68. (new) The article of manufacture of claim 67 wherein the setting of a
pointer for the linked stream to the same location as a pointer for the primary stream
further comprises setting a read audio/video pointer for the linked stream to the same
location as the read audio/video pointer of the primary stream.

69. (new) The article of manufacture of claim 67 wherein the linked stream
inherits a beginning and ending address from the primary stream.

70. (new) The article of manufacture of claim 67 wherein the linked stream and
the primary stream each include a read audio/video pointer and a write audio/video
pointer.

71. (new) The article of manufacture of claim 70 wherein a passed pointer
warning is set when the linked stream read AV pointer passes the primary stream write
AV pointer.

72. (new) The article of manufacture of claim 67 wherein a stream may not be
linked to a linked stream.

1 73. (new) The article of manufacture of claim 67 wherein the linked stream is
2 disabled when the primary stream is disabled.

1 74. (new) The article of manufacture of claim 67 wherein the linked stream and
2 the primary stream may be read and written to simultaneously.

1 75. (new) The article of manufacture of claim 74 wherein the linked stream and
2 the primary stream each include a read audio/video pointer and a write audio/video
3 pointer.

1 76. (new) The article of manufacture of claim 75 wherein the read audio/video
2 pointer points to the next sector to read from and the write audio/video pointer points to
3 the next sector to write to.

1 77. (new) The article of manufacture of claim 67 further including moving the
2 pointers with a command.

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